



# **Doctor of Audiology Residential program**

Curriculum Guide  
2025-26

# Doctor of Audiology

## Residential program curriculum guide

Information contained in this curriculum guide is subject to change.

### Sequence of courses

Course code	Course name	Semester Credit hours	Course code	Course name	Semester Credit hours	Course code	Course name	Semester Credit hours
<b>FALL SEMESTER</b>			<b>Second year / Fall Session 2</b>			<b>SPRING SEMESTER</b>		
<b>First year / Fall Session 1</b>			<b>Third year / Spring Session 1 and 2</b>			<b>Third year / Spring Session 1</b>		
AUDE 5120	Infection Control and Cerumen Management	1.5	AUDE 6210	Counseling in Audiology	2.5	AUDE 7580	Clinical Rotation X	12
AUDE 5140	Auditory Science	4	AUDE 6220	Tinnitus, Hyperacusis and Misophonia: Evaluation and Treatment	2.5			12
AUDE 5160	Anatomy and Physiology of the Auditory-Vestibular System	3	AUDE 6240	(Central) Auditory Processing Disorders: Assessment and Management	3	<b>Third year / Spring Session 2</b>		
AUDE 5180	Clinical Rotation I	0.5	AUDE 6280	Clinical Rotation V	2	AUDE 7330	Ethics in Audiology*	2.5
AUDE 9110	Audiology Grand Rounds	0	AUDE 6290	Clinical Module II	0.5			2.5
		9	AUDE 9220	Audiology Grand Rounds	0	<b>Third year / Spring Session 2</b>		
<b>First year / Fall Session 2</b>					10.5	AUDE 7970	Comprehensive Examination 3* (Written only – Week 1)	0
AUDE 5200	Acquisition and Development of Communicative Skills	3	<b>SPRING SEMESTER</b>			AUDE 7430	Professionalism and Leadership*	1.5
AUDE 5230	Professional Roles and Responsibilities	1	<b>Second year / Spring Session 1</b>			AUDE 7440	Hearing Loss and Healthy Aging*	1.5
AUDE 5240	Audiology Diagnostics I	3	ASHS 6300	Research Methods and Design	3	AUDP 8400	Global Healthcare and Audiology (Elective**) or	(1.5)
AUDE 5260	Human Anatomy and Neuroanatomy	3	AUDE 6310	Audiological Rehabilitation for Adults	2.5	AUDP 8460	Telehealth in Audiology* (Elective**) (These electives will run from late May to late June and will go over student break.)	
AUDE 5280	Clinical Rotation II	0.5	AUDE 6330	Practice Development I	2.5			
AUDE 9120	Audiology Grand Rounds	0	AUDE 6370	Vestibular Assessment and Treatment I	3	AUDE 9330	Audiology Grand Rounds*	0
		10.5	AUDE 6380	Clinical Rotation VI	2			3
<b>SPRING SEMESTER</b>			<b>Second year / Spring Session 2</b>			<b>FALL SEMESTER</b>		
<b>First year / Spring Session 1</b>			ASHS 6400	Methods of Data Analysis	3	<b>Fourth year / Fall Session 1 and 2</b>		
AUDE 5310	Embryology and Genetic Conditions	3	AUDE 6450	Amplification III: Implantable Devices	3	AUDE 8180	Clinical Rotation XI	18
AUDE 5320	Deaf Culture and American Sign Language	1.5	AUDE 6470	Auditory Evoked Responses and Neurodiagnostics	4	AUDP 8400	Global Healthcare and Audiology* (Elective**) or	(1.5)
AUDE 5330	Acoustics of Speech	1	AUDE 6480	Clinical Rotation VII	2	AUDP 8460	Telehealth in Audiology* (Elective**) (These electives will run from early December to early January, and will go over student break.)	
AUDE 5340	Audiology Diagnostics II	3.5	AUDE 9230	Audiology Grand Rounds	0			
AUDE 5380	Clinical Rotation III	1			12	AUDE 9410	Audiology Grand Rounds*	0
		10	<b>FALL SEMESTER</b>					18
<b>First year / Spring Session 2</b>			<b>Third year / Fall Session 1</b>			<b>SPRING SEMESTER</b>		
AUDE 5410	Acquired Auditory-Vestibular Disorders	3	AUDE 6970	Comprehensive Examination 2 (Written and Practical – Week 1)	0	<b>Fourth year / Spring Session 1 and 2</b>		
AUDE 5440	Cognition and Speech Perception	2	AUDE 7140	Early Intervention and Educational Audiology	3	AUDE 8280	Clinical Rotation XII	16
AUDE 5450	Amplification I	3	AUDE 7150	Amplification IV: Hearing Assistive Technology	2	AUDE 9420	Audiology Grand Rounds*	0
AUDE 5460	Otoacoustic Emissions	2	AUDE 7170	Vestibular Assessment and Treatment II	2.5			16
AUDE 5490	Audiology Clinical Simulation Module	0.5	AUDE 7180	Clinical Rotation VIII	4	<b>Total required semester credit hours</b>		
AUDE 5970	Comprehensive Examination 1 (Part 1—End of Term Practical Exam)	0	AUDE 7190	Clinical Module III	0.5			162.50
AUDE 9130	Audiology Grand Rounds	0	AUDE 9310	Audiology Grand Rounds	0			
		10.5			12			
<b>FALL SEMESTER</b>			<b>Third year / Fall Session 2</b>					
<b>Second year / Fall Session 1</b>			AUDE 7220	Advances in Audiologic Care	1.5			
AUDE 5970	Comprehensive Examination 1 (Part 2 – Written Exam Week 1)	0	AUDE 7230	Practice Development II	2.5			
AUDE 6120	Pharmacology and Ototoxicity	2.5	AUDE 7240	Occupational and Environmental Hearing Conservation	2.5			
AUDE 6140	Pediatric Audiology	3	AUDE 7260	Basic Principles of Medical Imaging	1.5			
AUDE 6150	Amplification II	3	AUDE 7280	Clinical Rotation IX	4			
AUDE 6180	Clinical Rotation IV	2	AUDE 7290	Clinical Module IV	0.5			
AUDE 6190	Clinical Module I	0.5	AUDE 9320	Audiology Grand Rounds	0			
AUDE 9210	Audiology Grand Rounds	0			12.5			
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## First year: Fall semester

### **AUDE 5120 Infection Control and Cerumen Management**

This course will cover the basic principles of microbiology, disease process, and immunology. The student will learn how infections spread and appropriate infection control procedures for audiologists, including the cleaning of tools and instruments. In addition, students will learn about cerumen management methodologies, equipment, indications and contraindications. State and federal agencies that govern infection control, their guidelines and protocols applicable to the audiologist, and scope of practice and regulatory issues related to cerumen management will be addressed. Includes laboratory requirement. *(1.5 credits: 1 credit lecture, 0.5 credit lab)*

### **AUDE 5140 Auditory Science**

A study of the physical nature of sound and the human psychological response to auditory stimulation. Topics include acoustic analysis from simple harmonic motion to complex waves; sensitivity; pitch, loudness, and temporal perception; masking; and binaural hearing. *(4 credits)*

### **AUDE 5160 Anatomy and Physiology of the Auditory-Vestibular System**

A study of the structure and function of the auditory-vestibular system. This course will cover basic human anatomy and physiology foundations and concepts relevant to hearing and balance function. There will be an emphasis on peripheral and central auditory and vestibular anatomical structure details, development, pathways and physiology. Includes laboratory requirement. *(3 credits: 2 credit lecture, 1 credit lab)*

### **AUDE 5180 Clinical Rotation I**

Guided observations of audiologic activities. Students observe and assist preparations for and administration of clinical evaluations and treatment. Limited hands-on experience may be included. *(0.5 credit)*

### **AUDE 5200 Acquisition and Development of Communicative Skills**

This course is designed to introduce students to the acquisition and development of communication skills and the impact of hearing loss on these skills. An introduction to disorders of communication will enable students to identify speech, language, voice and fluency concerns and determine appropriate referrals, within the audiologist's scope of practice. The course will also introduce students to a range of communication options available to individuals who are Deaf or Hard-of-Hearing. These communication options include American Sign Language (ASL), Aural-Oral, Cued Speech, Total Communication, and Bilingual-Bicultural, with variations within each category. Aural rehabilitation approaches and methodologies will be covered, and students will develop aural rehabilitation lessons appropriate for a range of students and auditory abilities. *(3 credits)*

### **AUDE 5230 Professional Roles and Responsibilities**

This class is designed to introduce students to the professional roles and responsibilities of an audiologist, as well as other members of the healthcare delivery team. With current emphasis on team delivery of healthcare services, it is important that students understand the interrelationship of the various healthcare professions in total patient care. Particular emphasis will be placed on those health professions that are educated at the various schools of ATSU, including the history and philosophy of osteopathic medicine. Audiology, as a profession, will be studied in some detail. Students will learn the history of audiology and its evolution to a doctoral level profession. Scope of practice, ethics, certification, licensure, and specialty areas will be studied. Contemporary professional practice issues will be discussed by guest speakers in several specialty areas. *(1 credit)*

### **AUDE 5240 Audiology Diagnostics I**

The first of a two-course sequence covering essential audiometric tests and procedures. Topics will include case history, otoscopy, behavioral threshold testing, masking, speech audiometry, and puretone screening for school-age children and adults. The course will also cover instrument calibration standards and procedures utilized in the practice of audiology. Includes laboratory requirement. *(3 credits: 2 credit lecture, 1 credit lab)*

### **AUDE 5260 Human Anatomy and Neuroanatomy**

A study of the basics of human anatomy and physiology which will include anatomical terminology; biochemistry of cells; and an overview of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, immune, respiratory, digestive and urinary systems. The development, structure and function of the central and peripheral nervous systems, including the autonomic nervous system, will be emphasized. In-depth information on neurovasculature, sensory and motor pathways, sensory receptors, reflex pathways, the audiovestibular system, and lesions of the nervous system at various levels will be presented. Includes laboratory requirement. *(3 credits: 2 credit lecture, 1 credit lab)*

### **AUDE 5280 Clinical Rotation II**

Guided observations of audiologic activities. Students observe and assist preparations for and administration of clinical evaluations and treatment. Limited hands-on experience may be included. *(0.5 credit)*

### **AUDE 9110 Audiology Grand Rounds**

A weekly forum for clinical presentations by students, lectures, roundtables, discussions with guest speakers, and interaction between faculty and students concerning topics related to clinical rotation experiences and the profession of audiology. *(0 credit hours, Pass/Fail)*

### **AUDE 9120 Audiology Grand Rounds**

A weekly forum for clinical presentations by students, lectures, roundtables, discussions with guest speakers, and interaction between faculty and students concerning

topics related to clinical rotation experiences and the profession of audiology. *(0 credit hours, Pass/Fail)*

## First year: Spring semester

### AUDE 5310 Embryology and Genetic Conditions

This course covers embryologic development with emphasis on normal and abnormal or interrupted development. Genetic concepts and terminology will be covered together with information regarding the association of certain organ systems with audiovestibular system impairments. Material will also include information regarding genetic testing, genetic counseling, and the audiologist's role and responsibilities in identifying and managing these conditions. *(3 credits)*

### AUDE 5320 Deaf Culture and American Sign Language

A history of manual communication systems, including American Sign Language will be examined. Students will expand their knowledge of the history and culture of the Deaf community. Students will gain experience in receptive and expressive ASL and finger-spelling related to medical terminology and basic conversation. Information will be provided on the scheduling and use of sign language interpreters. Additionally, students will be asked to reflect upon readings and videos providing insight into the role of the Deaf community. *(1.5 credits)*

### AUDE 5330 Acoustics of Speech

An overview of the acoustics of speech. Areas of study include normative, articulatory, and acoustic phonetics, and the acoustic analysis of speech. *(1 credit)*

### AUDE 5340 Audiology Diagnostics II

The second of a two-course sequence covering essential audiometric tests and procedures. Topics will include immittance audiometry, cochlear and retrocochlear site-of-lesion tests, tests for pseudohypacusis and current best practices. Evaluation of test performance, including sensitivity and specificity will be covered. Includes laboratory requirement. *(3.5 credits: 2.5 credit lecture, 1 credit lab)*

### AUDE 5380 Clinical Rotation III

Guided observations of audiologic activities. Students observe and assist preparations for and administration of clinical evaluations and treatment. Limited hands-on experience may be included. *(1 credit)*

### AUDE 5410 Acquired Auditory-Vestibular Disorders

This course provides a study of acquired peripheral and central pathologies affecting the auditory and vestibular systems. Disorders of the conductive, sensory, and neural systems will be covered in-depth with details provided on diagnosis, etiologies, signs and symptoms, related findings, and treatment options. Emphasis will be placed on understanding the relationship between pathophysiologic factors, test measures, test outcomes, and function-dysfunction. *(3 credits)*

### AUDE 5440 Cognition and Speech Perception

A study of the auditory-cognitive processes involved in speech perception. Topic areas include models of speech perception, cognitive factors involved in speech perception, interactions between audition and cognition during complex language processing, and multimodal processing of speech. *(2 credits)*

### AUDE 5450 Amplification I

This course will cover the history of hearing aids in the healthcare market. Past and current hearing aid styles, components, acoustics, and measurement characteristics will be discussed. Skills will be gained in taking ear-mold impressions; performing cleaning, maintenance, and adjustments on hearing aids; and modifying hearing aids and earmolds. Information will also be provided regarding patient assessment measures used to aid in appropriate hearing aid selection and verification, as well as how to provide basic hearing aid recommendations to patients. Includes laboratory requirement. *(3 credits: 2 credit lecture, 1 credit lab)*

### AUDE 5460 Otoacoustic Emissions

A study of the origin and classification of otoacoustic emissions (OAEs), as well as test equipment and procedures for obtaining OAEs. Interpretation of results and uses of OAE data in screening and differential diagnosis of auditory disorders. Instrumentation and testing procedures will be covered in the laboratory segment of this course. Includes laboratory requirement. *(2 credits: 1.5 credit lecture, 0.5 credit lab)*

### AUDE 5490 Audiology Clinical Simulation Module

This simulation lab module is designed to provide students with opportunities to review and practice clinical procedures in preparation for direct patient care. Hands-on practice experiences will be provided with simulation technology and/or standardized/certified patients in a laboratory environment under faculty supervision and mentorship. Case studies will be used to focus on integration of diagnostic information and the development of clinical-decision making skills. *(0.5 credit lab, Pass/Fail)*

### AUDE 9130 Audiology Grand Rounds

A weekly forum for clinical presentations by students, lectures, roundtables, discussions with guest speakers, and interaction between faculty and students concerning topics related to clinical rotation experiences and the profession of audiology. *(0 credit, Pass/Fail)*

## Second year: Fall semester

### AUDE 6120 Pharmacology and Ototoxicity

This course is designed to introduce audiology students to the basic concepts and principles of pharmacology. An overview of drug development, drug regulations, and basic drug classifications will be provided. In-depth information will be presented regarding drugs used in the diagnosis and treatment of hearing and



balance disorders, drugs that affect the function of the auditory and vestibular systems, and the concept of polypharmacy. The course also covers ototoxicity (cochleotoxicity, vestibulotoxicity, and neurotoxicity) and ototoxic monitoring. Students will gain an appreciation for the role of audiologists related to understanding patient needs, behaviors, and clinical outcomes associated with medication use, as appropriate, for a professional committed to whole person healthcare. *(2.5 credits)*

#### **AUDE 6140 Pediatric Audiology**

The purpose of this course is to further familiarize students with the basic anatomy and physiology of the auditory system, auditory development, the rationale and principles behind the assessment of hearing in pediatric patients, and the most current and precise assessment techniques (behavioral and physiological) for this population. In addition, students will learn about educational opportunities for children with hearing impairment and become familiar with best fitting practices for pediatric amplification. Includes laboratory requirement. *(3 credits: 2 credit lecture, 1 credit lab)*

#### **AUDE 6150 Amplification II**

This course will cover selection, fitting, and adjustment of hearing aids. Topics will include patient counseling, hearing aid selection and orientation, hearing aid fitting and verification measures, as well as ordering, billing, and ethics. The course focus will be on understanding and utilization of state-of-the-art technology. The laboratory portion of this course will focus on a range of manufacturers and technology options, pre- and post-fit testing measures and scales, as well as counseling and programming skills. Includes laboratory requirement. *(3 credits: 2 credit lecture, 1 credit lab)*

#### **AUDE 6180 Clinical Rotation IV**

Direct clinical observation and participation in aspects of audiological practice. Students will be expected to integrate foundational knowledge and skills into the evaluation and treatment of patients. *(2 credits)*

#### **AUDE 6190 Clinical Module I**

This two-course sequence is designed to provide students with opportunities to review and practice clinical procedures covered in previous and concurrent applied courses. Hands-on practice experiences are provided in a laboratory environment under faculty supervision and mentorship, with a focus on the integration of diagnostic and treatment measures. *(0.5 credit, Pass/Fail)*

#### **AUDE 6210 Counseling in Audiology**

This course is designed to introduce students to the fundamental principles, contemporary theories, and applied techniques of the counseling process. Special emphasis will be placed on communication skills and techniques and issues and practices related to the psychosocial effects of hearing loss on individuals of all ages and their families. The role of counseling across the scope of audiological practice, including diagnostic and

rehabilitative activities, will be discussed. *(2.5 credits)*

#### **AUDE 6220 Tinnitus, Hyperacusis, and Misophonia: Evaluation and Treatment**

This course is designed to introduce students to tinnitus, hyperacusis, and misophonia. Various theories about the causes, mechanisms, and treatments will be addressed during class time discussions. Assessment tools will be covered and discussed. Includes laboratory requirement. *(2.5 credits: 2 credit lecture, 0.5 credit lab)*

#### **AUDE 6240 (Central) Auditory Processing Disorders: Assessment and Management**

The purpose of this course is to review basic anatomy and physiology of the auditory system as it pertains to auditory processing, to enable students to understand the theories and research on auditory processing, and to familiarize students with behavioral tests used to assess auditory processing and its related disorders. Current information regarding management of individuals with (C)APD will also be presented. Includes laboratory requirement. *(3 credits: 2 credit lecture, 1 credit lab)*

#### **AUDE 6280 Clinical Rotation V**

Direct clinical observation and participation in aspects of audiological practice. Students will be expected to integrate foundational knowledge and skills into the evaluation and treatment of patients. *(2 credits)*

#### **AUDE 6290 Clinical Module II**

This two-course sequence is designed to provide students with opportunities to review and practice clinical procedures covered in previous and concurrent applied courses. Hands-on practice experiences are provided in a laboratory environment under faculty supervision and mentorship, with a focus on the integration of diagnostic and treatment measures. *(0.5 credit, Pass/Fail)*

#### **AUDE 9120 Audiology Grand Rounds**

A weekly forum for clinical presentations by students, lectures, roundtables, discussions with guest speakers, and interaction between faculty and students concerning topics related to clinical rotation experiences and the profession of audiology. *(0 credit, Pass/Fail)*

#### **AUDE 9220 Audiology Grand Rounds**

A weekly forum for clinical presentations by students, lectures, roundtables, discussions with guest speakers, and interaction between faculty and students concerning topics related to clinical rotation experiences and the profession of audiology. *(0 credit, Pass/Fail)*

### **Second year: Spring semester**

#### **ASHS 6300 Research Methods and Design**

This course will focus on the development and application of graduate-level knowledge and skills related to research methods in the health sciences. Skills regarding the development of a research proposal, including the identification of a problem, conducting

a literature review, developing a hypothesis, designing a study, and submitting an Institutional Review Board application, are integral components of this course. *(3 credits)*

#### **AUDE 6310 Audiological Rehabilitation for Adults**

Topics include rehabilitation evaluation and use of self-assessment instruments; teaching the patient and family listening and helping skills, as well as other methods to enhance communication and sound awareness through individual or group communication; and meeting the rehabilitative needs of the aging population. *(2.5 credits)*

#### **AUDE 6330 Practice Development I**

This course is designed to introduce the students to the business and regulatory environment in which they will eventually practice. The topics covered include business functions, the regulation of healthcare finance and quality, and the current landscape of healthcare in the United States. *(2.5 credits)*

#### **AUDE 6370 Vestibular Assessment and Treatment I**

This course is designed to provide students with knowledge of the anatomy and physiology of the peripheral and central vestibular systems, as well as an overview of human equilibrium systems. This course will also provide students with a comprehensive overview of vestibular assessment and evaluation procedures, as well as vestibular rehabilitation protocols and procedures. Students will learn how to perform a vestibular evaluation and perform certain vestibular rehabilitation procedures. Includes laboratory requirement. *(3 credits: 2 credit lecture, 1 credit lab)*

#### **AUDE 6380 Clinical Rotation VI**

Direct clinical observation and participation in aspects of audiological practice. Students will be expected to integrate foundational knowledge and skills into the evaluation and treatment of patients. *(2 credits)*

#### **AUDE 6400 Methods of Data Analysis**

Development and application of graduate-level knowledge and skills regarding methodologies and statistics appropriate in descriptive and experimental research. Statistical software programs will be utilized to enhance student understanding and application of course material. *(3 credits)*

#### **AUDE 6450 Amplification III: Implantable Devices**

The purpose of this class is to review the auditory system as it applies to implantable devices; medical and audiologic indications for implantable hearing devices for adults and children; and the rationale and principles behind implantable hearing devices. In addition, students will spend time learning about outcomes with the different devices and rehabilitation options for recipients. Students will be familiar with the coding and reimbursement issues as they pertain to implantable devices. Includes laboratory requirement. *(3 credits: 2 credit lecture, 1 credit lab)*

#### **AUDE 6470 Auditory Evoked Responses and Neurodiagnostics**

A review of the anatomy and physiology of the auditory system as it pertains to auditory evoked responses (AERs) will be provided. This course will cover recording parameters, test procedures, and interpretation of auditory evoked responses. Specific topics will include electrocochleography, the auditory brainstem response, Auditory Steady State Response, middle and late AERs, pathologies of the retrocochlear system, and intraoperative neurophysiologic monitoring (IONM) techniques. Students will engage in case-based learning and journal club activities to integrate information obtained from AERs and other patient data related to a wide range of disorders involving attention, (central) auditory processing, speech perception, memory and cognition. Includes laboratory requirement. *(4 credits: 3 credit lecture, 1 credit lab)*

#### **AUDE 6480 Clinical Rotation VII**

Direct clinical observation and participation in aspects of audiological practice. Students will be expected to integrate foundational knowledge and skills into the evaluation and treatment of patients. *(2 credits)*

#### **AUDE 9230 Audiology Grand Rounds**

A weekly forum for clinical presentations by students, lectures, roundtables, discussions with guest speakers, and interaction between faculty and students concerning topics related to clinical rotation experiences and the profession of audiology. *(0 credit, Pass/Fail)*

### **Third year: Fall semester**

#### **AUDE 7140 Early Intervention and Educational Audiology**

Children who are Deaf/Hard of Hearing and/or with other listening needs typically require specialized supports to optimize developmental, social, and educational outcomes. Using group discussions and hands-on lab activities, students focus on the roles, responsibilities, knowledge, and skills of audiologists in managing hearing and listening difficulties in children from birth to 18 years of age through Early Hearing Detection and Intervention (EHDI), hearing assistive technology, and educational programs. Emphasis is on the case-based application of legislative mandates, EHDI program management guidelines, early intervention goals for infants, children, and their families, pediatric personal hearing technology recommendations, ongoing assessment protocols, classroom signal to noise ratio (SNR) improvement methods, educational plans, and interprofessional coordination. Includes laboratory requirement. *(3 credits: 2.5 credit lecture, 0.5 credit lab)*

#### **AUDE 7150 Amplification IV: Hearing Assistive Technology**

This course provides an in depth look at assistive listening and alerting technology to assist Deaf and Hard of Hearing individuals in the home, school, and community.

We will explore a variety of levels at which the audiologist may elect to address assistive technology. Topics will include relevant legislation, system characteristics, selection and evaluation of devices and application to various populations. Students will be expected to complete actual use of multiple assistive listening devices and submit a laboratory report on each device. Includes laboratory requirement. *(2 credits: 1.5 credit lecture, 0.5 credit lab)*

#### **AUDE 7170 Vestibular Assessment and Treatment II**

The purpose of this class is to expand on the foundation of the anatomy, physiology, pathology, and diagnostic evaluation of the balance system within the scope of practice of an audiologist. Students will be able to perform electronystagmography and videonystagmography (ENG/VNG) upon successful completion of this course. They will have an understanding of Computerized Dynamic Posturography (CDP) and Whole Body Rotational testing (WBRT). The students will have a scientific and clinical background of vestibular rehabilitation. The students will have the ability to identify and triage patients with vestibular disorders into appropriate therapy programs. Students will be instructed on the correct administration of VRT protocols and accurate evaluation of treatment efficacy. Includes laboratory requirement. *(2.5 credits: 2 credit lecture, 0.5 credit lab)*

#### **AUDE 7180 Clinical Rotation VIII**

Direct clinical participation in aspects of audiological practice. Students will be expected to integrate foundational knowledge and skills into the evaluation and treatment of patients. *(4 credits)*

#### **AUDE 7190 Clinical Module III**

This two-course sequence is designed to provide students with opportunities to review and practice clinical procedures covered in previous and concurrent applied courses. Hands-on practice experiences are provided in a laboratory environment under faculty supervision and mentorship, with a focus on the integration of diagnostic and treatment measures. *(0.5 credit, Pass/Fail)*

#### **AUDE 9310 Audiology Grand Rounds**

A weekly forum for clinical presentations by students, lectures, roundtables, discussions with guest speakers, and interaction between faculty and students concerning topics related to clinical rotation experiences and the profession of audiology. *(0 credit, Pass/Fail)*

#### **AUDE 7220 Advances in Audiologic Care**

Seminar to present current trends and topics important to the practice and profession of audiology. *(1.5 credits)*

#### **AUDE 7230 Practice Development II**

This course will examine the various aspects of planning a business and key business functions. The topics will include a general overview of business planning, discussion of the different business structures, various

concepts in business law, specifics in costs for owning a business, and discussion of the feasibility of starting a private practice in today's healthcare system. *(2.5 credits)*

#### **AUDE 7240 Occupational and Environmental Hearing Conservation**

This course is designed to introduce you to the principles and practices of occupational, educational, and environmental hearing conservation. Topics will include determination of noise exposure, regulatory and advisory agencies and standards, classroom acoustics, hearing conservation programs in occupational and school settings, noise abatement, and hearing protection devices. The course will also include an overview of the principles and practices of forensic audiology. Includes laboratory requirement. *(2.5 credits: 2 credit lecture, 0.5 credit lab)*

#### **AUDE 7260 Basic Principles of Medical Imaging**

This course is designed to illustrate the uses of imaging techniques in the evaluation of auditory and vestibular pathology. The techniques of radiography, CT, MRI, fMRI, nuclear medicine (including PET & SPECT scanning), vascular imaging, and EEGs will be covered with direct correlations made to the auditory-vestibular system. *(1.5 credits)*

#### **AUDE 7280 Clinical Rotation IX**

Direct clinical participation in aspects of audiological practice. Students will be expected to integrate foundational knowledge and skills into the evaluation and treatment of patients. *(4 credits)*

#### **AUDE 7290 Clinical Module IV**

This two-course sequence is designed to provide students with opportunities to review and practice clinical procedures covered in previous and concurrent applied courses. Hands-on practice experiences are provided in a laboratory environment under faculty supervision and mentorship, with a focus on the integration of diagnostic and treatment measures. *(0.5 credit, Pass/Fail)*

#### **AUDE 9230 Audiology Grand Rounds**

A weekly forum for clinical presentations by students, lectures, roundtables, discussions with guest speakers, and interaction between faculty and students concerning topics related to clinical rotation experiences and the profession of audiology. *(0 credit, Pass/Fail)*

### **Third year: Spring semester**

#### **AUDE 7330 Ethics in Audiology\***

Ethics is the branch of philosophy that deals with the study and evaluation of human conduct in light of moral principles, which may be viewed as the individual's standard of conduct, or as a body of social obligations and duties (Institute of Chiropractic Ethics.) Audiology, in its transition to a doctoring profession, is faced with redefining many ethical principles to reflect current state of the art and clinical practice realities. Ethical obligations may not reflect personal beliefs,

but audiologists have a professional obligation to be responsible for, and abide by, the ethical standards of the associations and organizations to which they belong. ASHA, AAA, ADA, and other professional organizations have adopted codes of ethics that set forth standards of integrity and ethical principles for their members. The codes call for certain behaviors in specific situations, but cannot be expected to cover every situation that calls for ethical behavior. In this class, we will examine the “spirit” of the codes as well as the “letter,” and establish a framework for ethical decision-making. Multicultural aspects of patient care and issues related to disparities in healthcare will also be presented. *(2.5 credits)*

#### **AUDE 7430 Professionalism and Leadership\***

This module will provide a forum for discussion of the organization and function of professional associations, activities that serve the professional community, and service to the public. Leadership concepts and professional characteristics will also be discussed. *(1.5 credits)*

#### **AUDE 7440 Hearing Loss and Healthy Aging\***

This course is designed to address issues concerning the effects of aging on hearing. Changes in the auditory system as a function of aging, the impact on patient function, and healthy aging will be emphasized. The module will provide information on management of hearing loss in the aged population and strategies for collaborating with stakeholders to increase referrals for hearing healthcare. *(1.5 credits)*

#### **AUDE 7580 Clinical Rotation X**

Direct clinical participation in aspects of audiological practice. Students will be expected to integrate foundational knowledge and skills into the evaluation and treatment of patients. *(12 credits)*

#### **AUDE 9330 Audiology Grand Rounds\***

A weekly forum for clinical presentations by students, lectures, roundtables, discussions with guest speakers, and interaction between faculty and students concerning topics related to clinical rotation experiences and the profession of audiology. *(0 credit, Pass/Fail)*

### **Fourth year: Fall semester**

#### **AUDE 8180 Clinical Rotation XI**

Full-time clinical rotations, providing the student opportunities to participate in direct patient care within the scope of practice of audiology. Students will be involved in diagnostic evaluations, patient management and routine duties within audiology practices to expand and refine clinical skills, professional interactions, and knowledge of practice management. *(18 credits)*

#### **AUDE 9410 Audiology Grand Rounds\***

A weekly forum for clinical presentations by students, lectures, roundtables, discussions with guest speakers, and interaction between faculty and students concerning topics related to clinical rotation experiences and the

profession of audiology. *(0 credit, Pass/Fail)*

### **Fourth year: Spring semester**

#### **AUDE 8280 Clinical Rotation XII**

Full-time clinical rotations, providing the student opportunities to participate in direct patient care within the scope of practice of audiology. Students will be involved in diagnostic evaluations, patient management and routine duties within audiology practices to expand and refine clinical skills, professional interactions, and knowledge of practice management. *(16 credits)*

#### **AUDE 9420 Audiology Grand Rounds\***

A weekly forum for clinical presentations by students, lectures, roundtables, discussions with guest speakers, and interaction between faculty and students concerning topics related to clinical rotation experiences and the profession of audiology. *(0 credit, Pass/Fail)*

### **Electives and comprehensive exams**

#### **ASHS 6500 Gross Anatomy Dissection (Elective\*\*)**

Health professions students will receive online and in-person lab instruction and anatomy reviews by faculty and work together in small groups as dissection of human donors is performed. In addition to gaining a deeper understanding and appreciation of human anatomy, students will develop technical skill and exploration of dissection. Requirements: The anatomy faculty must approve students before enrolling in this elective course. *(2 credits, Grading: Pass/Fail)*

#### **AUDE 6000 Independent Project (Elective\*\*)**

An in-depth, individual study of a specific topic under the direction of a faculty mentor. Prerequisite: permission of instructor and department chair. *(1 to 6 credits, Pass/Fail)*

#### **AUDP 8400 Global Healthcare and Audiology\* (Elective\*\*)**

This course promotes guided discussion regarding current global hearing healthcare practices, areas of need and advocacy for effective policies and services. Telehealth in audiology and interprofessional collaboration will be explored as potential opportunities for improving access to hearing healthcare services. *(4 weeks, 1.5 credits)*

#### **AUDP 8460 Telehealth in Audiology\* (Elective\*\*)**

This course presents the advantages and challenges of telehealth as it relates to clinical practice in audiology. Focus is placed on how communication, innovative technology, safety, and efficiency of patient care are addressed through telehealth. Students explore the feasibility of various telehealth/telepractice models applicable across clinical environments. Global regulatory, legislative and political considerations will be discussed. *(4 weeks, 1.5 credits)*

#### **AUDE 5970 Comprehensive Examination 1**

This course is graded as pass/fail. *(0 credit, Pass/Fail)*



**AUDE 5980 Comprehensive Examination 1 Remediation**

This course is graded as pass/fail. *(0 credit, Pass/Fail)*

**AUDE 5990 Comprehensive Examination 1 Retest**

Requires successful completion of AUDE 5980.

*(0 credit, Pass/Fail)*

**AUDE 6970 Comprehensive Examination 2**

This examination will be administered during week one of the third year fall semester. This course is graded as pass/fail. *(0 credit, Pass/Fail)*

**AUDE 6980 Comprehensive Examination 2 Remediation**

This course is graded as pass/fail. *(0 credit, Pass/Fail)*

**AUDE 6990 Comprehensive Examination 2 Retest**

Requires successful completion of AUDE 6980.

*(0 credit, Pass/Fail)*

**AUDE 7970 Comprehensive Examination 3\***

This course is graded as pass/fail. *(0 credit, Pass/Fail)*

**AUDE 7980 Comprehensive Examination 3 Remediation**

This course is graded as pass/fail. *(0 credit, Pass/Fail)*

**AUDE 7990 Comprehensive Examination 3 Retest**

Requires successful completion of AUDE 7980.

*(0 credits, Pass/Fail)*

There are 162.5 semester credit hours required for the four-year Doctor of Audiology program.

\*Courses denoted with an asterisk may be delivered via web-based technology.

\*\*Elective Courses are not required for the completion of the audiology curriculum. It is completely optional for a student to choose to take an elective course. The credits and grade do appear on the transcript and may fill an area of interest for a student. There is no additional cost for the departmental electives listed here. Elective courses may be available through other departments at a cost.

For specific program information please visit [atsu.edu/doctor-of-audiology-degree](https://atsu.edu/doctor-of-audiology-degree) or scan the QR code below. Please visit [atsu.edu](https://atsu.edu) for further information pertaining to admissions policies and procedures.

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